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Dated: November 4, 2004

Signature: 

(Eric M. Brusca)

Docket No.: 28967/34891.1
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Kari Alitalo et al.

Application No.: 10/774,802

Confirmation No.: 9059

Filed: February 9, 2004

Art Unit: 1646

For: ALT4 (VEGFR-3) AS A TARGET FOR
TUMOR IMAGING AND ANTI-TUMOR
THERAPY

Examiner: Not Yet Assigned

INFORMATION DISCLOSURE STATEMENT (IDS)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits as far as is known to the undersigned (37 CFR 1.97(b)(3)).

Copies of the references on the PTO/SB/08 are not provided since they were provided in related Application No. 09/169,079.

Application No.: 10/774,802

Docket No.: 28967/34891.1

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 13-2855, under Order No. 28967/34891.1. A duplicate copy of this paper is enclosed.

Dated: November 4, 2004

Respectfully submitted,

By


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PTO/SB/08a/b (08-03)
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Substitute for form 1449A/B/PTO				Complete if Known	
				Application Number	10/774,802
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Filing Date	February 9, 2004
				First Named Inventor	Kari Alitalo et al.
				Art Unit	1646
				Examiner Name	To be Assigned
Sheet	1	of	18	Attorney Docket Number	28967/34891.1

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	A1	4,543,439	09/24/85	Frackenton, Jr. et al.	
	A2	4,652,639	03/24/87	Stabinsky	
	A3	4,933,294	06/12/90	Waterfield et al.	
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	A6	5,198,359	03/30/93	Tanigucki et al.	
	A7	5,231,001	07/27/93	Kaplan et al.	
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	A9	5,270,458	12/14/93	Lemischka	
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	A12	5,635,177	06/03/97	Bennett et al.	
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	A27	6,331,302	12/18/01	Bennett, et al.	
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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	B1	EP 0 325 224 A2	07/26/89			
	B2	WO 90/14425	11/29/90			
	B3	WO 92/13867	08/20/92			
	B4	WO 92/14748	03/09/92			
	B5	WO 93/14124	07/22/93			
	B6	WO 93/15201	08/05/93			
	B7	WO 94/10202	05/11/94			
	B8	WO 95/24473	09/14/95			
	B9	WO 95/33772	12/14/95			
	B10	WO 96/39515	12/12/96			
	B11	WO 97/05250	02/13/97			
	B12	WO 97/09427	03/13/97			
	B13	WO 98/33917	08/06/98			
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Sheet	2	of	18	Attorney Docket Number	28967/34891.1

	B14	WO 98/07832	02/26/98			
	B15	WO 99/33485	07/08/99			

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	C1	Achen, M.G. <i>et al.</i> , "Vascular endothelial growth factor D (VEGF-F) is a ligand for the tyrosine kinases VEGF receptor 2 (Flk1) and VEGF receptor 3 (Flt4)," <i>Proc. Natl. Acad. Sci., USA</i> , 95(2):548-553 (January, 1998).	
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	C4	Andre, T., <i>et al.</i> , "Vegf, Vegf-B, Vegf-C and their receptors KDR, FLT-1 and FL the neoplastic progression of human colonic mucosa," <i>Int. J. Cancer</i> , 86(2):174-81 (April 15, 2000).	
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	C6	Aprelikova <i>et al.</i> , "FLT4, A Novel Class III Receptor Tyrosine Kinase in Chromosome 5q33-qter," <i>Cancer Research</i> , 52(3):746-748 (February 1, 1992).	
	C7	Aujame, L. <i>et al.</i> , "High affinity human antibodies by phage display," <i>Human Antibodies</i> , 8(4):155-168 (1997).	
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Sheet	3	of	18		

C11	Bolen, J.B., "Nonreceptor Tyrosine Protein Kinases," <i>Oncogene</i> , 8:2025-2031 (1993).	
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C18	Cantley <i>et al.</i> , "Oncogenes and Signal Transduction," <i>Cell</i> , 64:281-302 (January 25, 1991).	
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C22	Cheng & Flanagan, "Identification and Cloning of ELF-1, a Developmentally Expressed Ligand for the Mek4 and Sek Receptor Tyrosine Kinases," <i>Cell</i> , 79:157-168 (October 7, 1994).	
C23	Cole <i>et al.</i> , "The EBV-Hybridoma Technique and Its Application to Human Lung Cancer," <i>Monoclonal Antibodies and Cancer Therapy</i> , Alan R Liss, Inc., pp. 77-96 (1985).	
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Sheet	4	of	18	Attorney Docket Number	28967/34891.1

C25	De Gast, G.C. <i>et al.</i> , "Clinical perspectives of bispecific antibodies in cancer," <i>Cancer Immunol Immunother</i> , 45:121-123 (1997).	
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C35	Fanger, M.W. <i>et al.</i> , "Bispecific Antibodies," <i>Critical Reviews in Immunology</i> , 12(3,4):101-124 (1992).	
C36	Ferrara, N. <i>et al.</i> , "The Biology of Vascular Endothelial Growth Factor," <i>Endocrine Reviews</i> , 18(1):4-25 (1997).	
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C38	Fielder W., <i>et al.</i> , "Expression of FLT4 and its ligand VEGF-C in Acute Myeloid Leukemia," <i>Leukemia</i> , 8:1234-7 (August 1997) (Abstract).	
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C48	Galland <i>et al.</i> , "Chromosomal Localization of FLT4, a Novel Receptor-Type Tyrosine Kinase Gene," <i>Genomics</i> , 13:475-478 (1992).	
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C51	Genbank Accession X51602 Human flt mRNA for receptor-related tyrosine kinase, deposited by Shibuya, M.	
C52	Genbank Accession X60280 plasmid pLTRpoly, deposited by Maekelae <i>et al.</i>	
C53	Genbank Accession X68203 H. sapiens mRNA for FLT4, Class III receptor tyrosine kinase, deposited by Aprelikova, O.	
C54	Genbank Accession X83287 C. coturnix Quek2 mRNA for vascular endothelial growth factor receptor, deposited by Eichmann, <i>et al.</i>	
C55	GenBank Accession No. AJ000185, Homo Sapiens mRNA for vascular endothelial growth factor-D, deposited by Achen, M.G.	
C56	Greenberg <i>et al.</i> , "Characterization of a New Megakaryocyte Cell Line: The Dami Cell," <i>Blood</i> , 72(6):1968-1977 (December, 1988).	
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C66	Hu, Jing-Shan, <i>et al.</i> , "A Novel Regulatory Function of Proteolytically Cleaved VEGF-2 for Vascular Endothelial and Smooth Muscle Cells," <i>The FASEB Journal</i> , 11:498-504 (May 1997).
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C70	Jeltsch, "Hyperplasia of Lymphatic Vessels in VEGF-C Transgenic Mice," <i>Science</i> , 276:1423-1425 (May 30, 1997).
C71	Jones, P.T. <i>et al.</i> , "Replacing the complementarity-determining regions in a human antibody with those from a mouse," <i>Nature</i> , 321:522-525 (May, 1986).
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				Filing Date	February 9, 2004
				First Named Inventor	Kari Alitalo et al.
				Art Unit	1646
				Examiner Name	To be Assigned
Sheet	8	of	18	Attorney Docket Number	28967/34891.1

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				Filing Date	February 9, 2004
				First Named Inventor	Kari Alitalo et al.
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				Filing Date	February 9, 2004
				First Named Inventor	Kari Alitalo et al.
				Art Unit	1646
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				Filing Date	February 9, 2004
				First Named Inventor	Kari Alitalo et al.
				Art Unit	1646
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				First Named Inventor	Kari Alitalo et al.
				Art Unit	1646
				Examiner Name	To be Assigned
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Sheet	12	of	18		

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				Filing Date	February 9, 2004
				First Named Inventor	Kari Alitalo et al.
				Art Unit	1646
				Examiner Name	To be Assigned
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				First Named Inventor	Kari Alitalo et al.
				Art Unit	1646
				Examiner Name	To be Assigned
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				Filing Date	February 9, 2004
				First Named Inventor	Kari Alitalo et al.
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